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IN THE CLAIMS:

1. (CURRENTLY AMENDED) A wind turbine comprising:
 - a nacelle;
 - a blade rotor hub nosecone adjacent to said nacelle;
 - a main shaft coupled to said hub nosecone and rotatably coupled to said nacelle;
 - a generator coupled to said main shaft between said nacelle and said hub nosecone, wherein said generator includes a housing mounted to said nacelle, a generator rotor adjacent to said shaft, a stator positioned adjacent to and radially outward from said generator rotor, wherein said housing is disposed about said rotor and said stator; and,
 - a brake coupled to said generator housing and said shaft, said brake being positioned radially inward from said stator.
2. (CURRENTLY AMENDED) The wind turbine of claim 1 wherein said brake further comprises a disk coupled to said main shaft and at least one caliper brake coupled to said generator housing and positioned adjacent to said disk.
3. (CANCELED)
4. (CURRENTLY AMENDED) The wind turbine of claim 3 claim 2 wherein said housing further includes a recess with said brake being positioned within said recess.
5. (ORIGINAL) The wind turbine of claim 4 wherein said recess is positioned in said housing opposite said hub nosecone.
6. (CURRENTLY AMENDED) The wind turbine of claim 4 further comprising:
 - a yaw drive mounted in said nacelle adjacent to said yaw bearing;
 - a transformer coupled to said nacelle; and,
 - a power electronics module, said power electronics being located inside said nacelle and electrically coupled to said generator and said transformer.

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24. (NEW) The wind turbine of claim 6 wherein said nacelle is comprised of a bedplate coupled to said housing and a cover coupled to said bedplate.
25. (NEW) The wind turbine of claim 24 wherein said shaft is rotatably coupled to said bedplate.
26. (NEW) A wind turbine comprising:
 - a nacelle having a bedplate;
 - a housing mounted to said bedplate, said housing having a recess adjacent said bedplate;
 - a main shaft coupled for rotation to said bedplate and positioned coaxially within said housing; and,
 - a brake positioned within said recess, said brake comprising a caliper coupled to said housing and a disk coupled to said main shaft.
27. (NEW) The wind turbine of claim 26 further comprising:
 - a hub coupled to said main shaft within said housing;
 - a rotor mounted to said hub and positioned within said housing; and,
 - a stator mounted to said housing and positioned radially outward from said rotor.
28. (NEW) The wind turbine of claim 27 further comprising a power electronics module within said nacelle and electrically coupled to said stator.
29. (NEW) The wind turbine of claim 28 further comprising a nose cone mounted to said main shaft opposite said nacelle and a plurality of blades mounted to said nose cone.
30. (NEW) The wind turbine of claim 29 wherein said plurality of blades is three blades.
31. (NEW) The wind turbine of claim 30 wherein said blades are a fixed pitch type blade.
32. (NEW) The wind turbine of claim 30 wherein said blades are a variable pitch type blade.